About this manual

This manual is common to several TV models. Therefore, the model you bought may not support some of the functions or settings described hereinafter.

About the On/Off switch

The position of the ON/OFF switch ⏻ differs depending on the model. It may be located on the front or on the right-hand side of your set (see the drawing inside the cover page of your manual).

For your safety

To ensure your own safety and safe operation of the equipment, observe the following instructions thoroughly.

TV sets require sufficient ventilation to prevent their components from overheating, which will cause failure. Do not block the ventilation openings at the rear. If you place your TV set in a special piece of furniture, make sure there is enough space for unhindered air circulation. Do not place the TV set in the close vicinity of a heater.
The TV set has been designed for use in dry rooms. Should you use it, in exceptional circumstances in the open air (example: on the balcony, in the veranda or tent), you must absolutely protect it against moisture (dew, rain, splash water). Before switching on a cold TV set in a warm room, you should wait until any condensation in the screen has dried by itself.
Maximum ambient temperature: 35°C
Maximum humidity: 85%
By the end of your TV evening or when away from home for a longer period, we recommend that you turn off the TV set with the On/Off-switch.
Even when the On/Off-switch is in the Off-position, your TV set is not fully disconnected from the mains. To disconnect the set completely, the mains plug must be pulled out.
The mains plug must be easily accessible.

In the following cases, we recommend that you pull out the mains connector:
1. During a thunderstorm. In such a case, it is advisable that you also disconnect the TV set from the aerial socket.
2. When odour or smoke emanates from the set.
Never attempt to open your TV set yourself.
Further information:
The TV set shielding is sufficient to prevent X-radiation to the exterior.
Any operation performed by a non skilled person, change of high voltage or replacement of the picture tube by a model not complying with the manufacturer specification are likely to cause considerable increase in X-radiation.
A TV set modified in such a way no longer complies with the manufacturers' specification and must not be used.

GB

About cleaning

The screen is to be cleaned with liquid glass cleaners.
• Never use abrasive products.
• Clean the cabinet with a soft cloth soaked with neutral cleaner. Do not use solvents, such as white spirit or alcohol-based cleaning products since they may damage your television.
• At regular intervals, clean the ventilation grids at the rear of the TV set.

About degaussing

The terrestrial magnetic field may have an influence on your TV set. This influence is revealed by the coloured spots, which appear on the screen.
Should this be the case:
• Turn the equipment off by means of the On/Off-switch.
• Wait about one hour before switching the set on again.
This procedure performs automatic degaussing of the screen. Should there still be coloured spots on the screen, repeat the operation.

Set-up

To set up your TV set, follow the instructions on this page before you continue with the channel set-up procedure described on page 5.

1. Put the batteries in the remote control unit.

Please respect the environment and prevailing regulations. Before you dispose of batteries or accumulators, ask your dealer whether they are subject to special recycling and if he accepts to take them back.

2. Connect the TV to a mains socket.

The mains plug carries the power supply to your TV set. It should only be connected to an AC supply at 220 - 240 V ~ 50 Hz.
*It must not be connected to a DC supply *****. If the plug is detached from the cable, do not under any circumstances connect it to a mains socket as there is a danger of electrocution.*

UK SOCKET:
Equipment for the UK is supplied with a mains cable fitted with a moulded plug.

The plug contains safety components and must not be replaced by a type sold in shops. It is fitted with a fuse that protects your television. If your set no longer works, the fuse may have blown. If it has, replace it with an identical ASTA certified or BSI (BS 1362) 5 amp fuse.

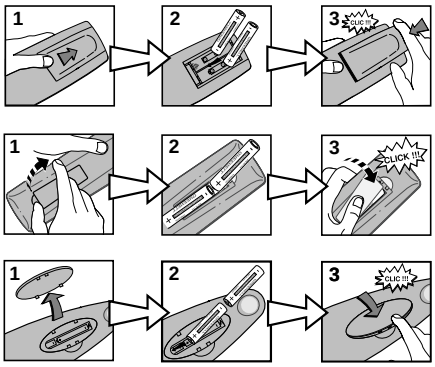
3. Connect the outside aerial or cable network to the ⊓ socket at the back of the TV set.

The aerial socket is for connecting an external antenna or equipment fitted with a modulator (VCR, satellite receiver, etc.).
When connecting additional equipment to the aerial socket, you must assign a channel number to it. To do so, switch the external equipment on, then search for its modulator channel on the TV set, assign the channel number found to the equipment and store.
From now on, every time you want to use the external equipment connected, you must select the channel number assigned to it.
VCR's without an integrated modulator do not require this setting.

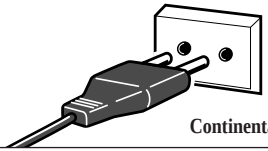
4. Continue on page 5, Channel set-up.

****** For models operating on batteries, see page 9.*

Batteries (LR 06-AA) insertion differs according to the type of your remote control. **1**

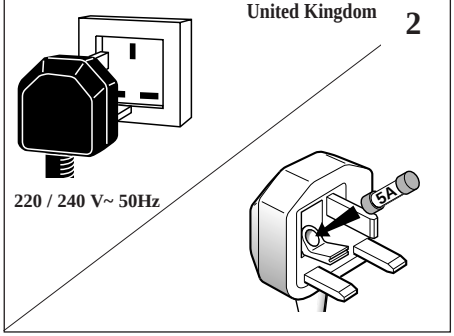


220 - 240 V ~ 50 Hz **2**

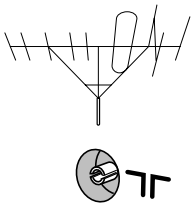


Continental Europe

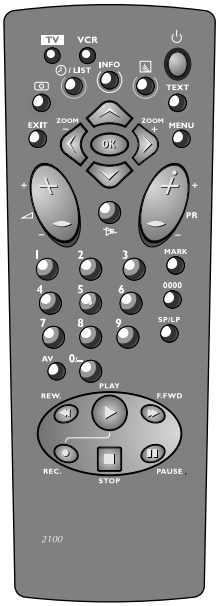
United Kingdom **2**

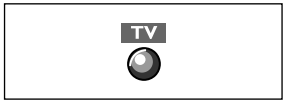


3

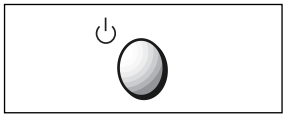


Remote Controls: Models 2100 and 100

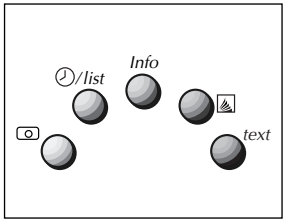




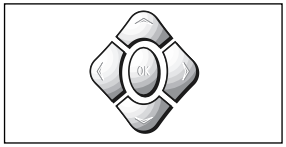
Press the TV key to operate your TV set (model 2100 only).



Switching the TV set on standby.

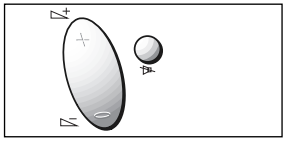


- Personal Adjustments ( ).
- Timer ( ).
- Display of channel, stand-by time (*Info*).
- Selection of the sound type (Sound 1, Sound 2, Sound 3) in Dual, Nicam and AV ( ).
- Videotext keys (*text*).

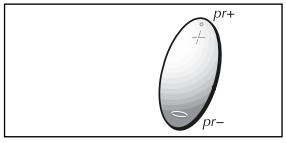


Directional keys Up/Down, Left/Right for selection and validation key (***OK***).

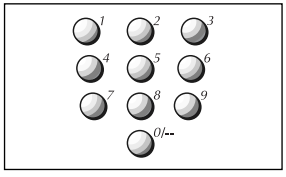
exit for erasing the menu windows or information from the screen.
menu is for calling up the menu windows.



- Volume control.
- Mute : .

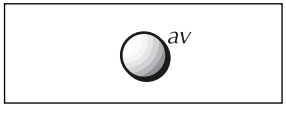


Programme change.



For channel selection and number input in the menus.

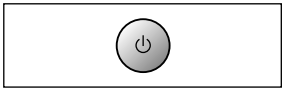
For 2-digit channels (10,11,12, etc.), first press on key 0 of the remote control (for ex. for 12 , press 012).



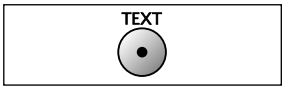
To select one of the appliances connected via the AV sockets.

GB

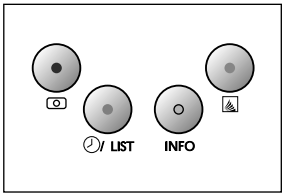
Remote Controls: Models 311 - 312 - 313 - 314



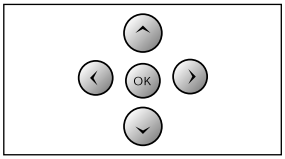
Switching the TV set on standby.



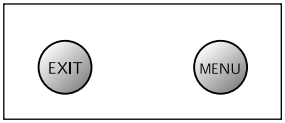
- Videotext keys.



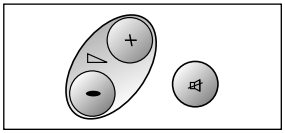
- Personal Adjustments ( ).
- Timer (/ **LIST**).
- Display of channel, stand-by time (**INFO**).
- Selection of the sound type (Sound 1, Sound 2, Sound 3) in Dual, Nicam and AV( ).



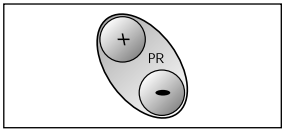
Directional keys Up/Down, Left/Right for selection and validation key (***OK***).



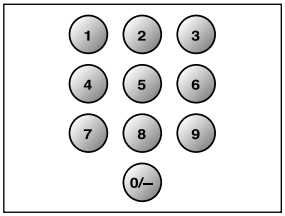
EXIT for erasing the menu windows or information from the screen.
MENU is for calling up the menu windows.



- Volume control.
- Mute : .

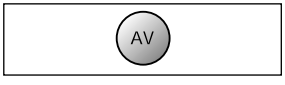


Programme change.



For channel selection and number input in the menus.

For 2-digit channels (10,11,12, etc.), first press on key 0 of the remote control (for ex. for 12 , press 012).



To select one of the appliances connected via the AV sockets.

About the TV set

Prior to enjoying your TV set, you'll have to set it up, i.e. to find and store the channels, which may be received in your area. The Automatic Channel Set-up will look for all the channels and number them. Since the channel numbers assigned to the programmes by the Automatic Channel Set-up do not necessarily correspond to the actual number of the channels (example: Channel 4), you may change them upon completion of Automatic Channel Set-up.

How to switch on the set?
With the On/Off-button fitted on the set. When the red LED is lit, the TV set has previously been switched on standby with the key ⏻ on the remote control. To switch the TV set on again, type in a channel number.

Automatic Channel Set-up

With the Automatic Channel Set-up
• When a VCR or satellite receiver is connected to the aerial socket, you must switch on this equipment. Should external equipment be connected to the TV set via the SCART socket, it must be turned off.
The first time you switch your TV set on, the automatic installation (***AUTO INSTALL.***) will automatically appear. If it does not, you will find this menu by pressing a number of times on the remote control ***menu*** key:
- 3 times for the mono TV sets
- 4 times for the stereo TV sets.

The first line (***Standard***) is selected.

• Depending on the model of your TV set, you'll have to select from the options listed below the one that fits with your country:

EURO : Western Europe, Tunisia, Morocco
FR : France, Luxembourg
UK : United Kingdom, Eire
DK : Eastern Europe, Middle East, Africa, French DOM-TOM

Select corresponding option by means of the directional keys ***Left***/***Right***.

• Select the ***Install.*** line with the directional ***Up/Down*** keys.

This line allows you to select a set-up to be carried out either through channels (**CH/CC**) or through frequencies (**MHz**).
• Select the type of wished-for set-up through the directional ***Left/Right*** keys.
The set-up carried out through Frequency allows you to find all the channels (even the non-standard ones). Therefore, it is the recommended one if you are connected to a cable network.

• Start the Automatic Channel Set-up by pressing the ***OK*** key.
Wait a few minutes until the Channel Organisation menu (***ORG.***) appears.

GB

Channels Organisation

How to change the channel number?
To identify each channel, make use of your TV magazine to find out the actual name of the current programme/channel.

1. Use the key ***pr+*** and ***pr-*** to select the channel number you wish to change.

2. Press the new channel number (compulsorily 2 digits, for ex.: for Channel 2, enter 0, then 2) on the remote control. You can also use the directional ***Left/Right*** keys.

3. Validate with key ***OK***.
The corresponding programme is now stored under the new channel number.

How to delete a channel number?
Delete any programme the picture quality of which appears to be poor.

1. Select the channel with the key ***pr+*** and ***pr-***.

2. Press 00 on the remote control.

3. Then validate with ***OK***: The channel number is now deleted.
Prior to leaving the menu, you should check whether the programmes are stored in the order you prefer.

Once your channels are duly sorted, close the menu through ***exit***.
You may recall this menu by pressing the ***menu*** key:
- 4 times for the mono TV sets
- 5 times for the stereo TV sets.

Manual Channel Set-up

With the manual set-up
1. Display the menu by pressing a number of times on the remote control ***menu*** key:
- twice for the mono TV sets.
- 3 times for the stereo TV sets.

The first line (***Standard***) is selected.

Depending on the model of your TV set, you'll have to select from the options listed below the one that fits with your country:
EURO : Western Europe, Tunisia, Morocco
FR : France, Luxembourg
UK : United Kingdom, Eire
DK : Eastern Europe, Middle East, Africa, French DOM-TOM

Select corresponding option by means of the directional keys ***Left***/***Right***.

2. Select the ***Mode*** line through the ***Up/Down*** directional keys**.**

3. By means of the ***Left/Right*** directional keys, select ***ANTENNA*** (reception through an aerial antenna) or ***CABLE*** (reception through a cable network) for a Channel set-up, or ***MHz*** for a Frequency set-up.

4. Select the **CH** or **CC** line through the ***Up/Down*** directional keys.

5. Start the set-up in a decreasing or increasing order by means of the ***Left/Right*** directional keys.
When a channel is found, the pictures appear. *If the picture quality is poor, make use of the directional keys* ***Up/Down*** *to select the line* ***->.<-*** *and try to improve picture quality with the directional keys* ***Left/Right***.

6. Select the ***Decod.*** line through the ***Up/Down*** directional keys.
7. By means of the ***Left/Right*** directional keys, select ***ON*** (if the channel is scrambled and a decoder connected to the AV connection) or ***OFF*** if such is not the case.

8. Then select the ***Pr*** line through the ***Up/Down*** directional keys and enter the channel number corresponding to the pictures. You may also use the ***Left/Right*** keys.

9. Select the ***Text*** line through the ***Up/Down*** keys and choose the character set table to be used for videotext:

1: Western Europe
2: Eastern Europe
3: Greek, Turkish
4: Arab

10. Store the programme by pressing ***OK***.
To find the next programme, re-start Channel Set-up by means of the directional keys ***Left***/***Right***.

Once the set-up achieved, close the menu through ***exit***.

Adjusting the Picture

Press the ***menu*** key once to display the menu.
Through the ***Up/Down*** keys, select the function you want to adjust (Brightness, Colour, Contrast, Sharpness, Tint).
Adjust with the ***Left/Right*** keys.

The tint adjustment is only possible for a NTSC picture.
If you want to preserve these adjusments as preferred settings, press the ***red*** *key during 3 seconds to store them.*
You'll then be able to recall them later on.
Close the menu through ***exit***.

Settings are stored until you proceed to another change.

Adjusting the Sound

(only on stereo models)
Press the ***menu*** key twice to display the menu.
Through the ***Up/Down*** keys, select the function you want to adjust (Treble, Bass, Balance, Mode).
With the ***Left/Right*** keys, adjust the Treble or Bass level, the balance between left and right paths and the type of sound you want (Mono or Auto).

If ***Auto*** has been selected, the TV set will automatically adjust to the sound transmitted by the channel.
If you want to preserve these adjustments as preferred settings, press the ***red*** *key during 3 seconds to store them.*
You'll then be able to recall them later on.

Close the menu through ***exit***.
Settings are stored until you proceed to another change.

Daily use

How to switch on the set?
With the On/Off-button fitted on the set. When the red LED is lit, the TV set has previously been switched on standby with the key ⏻ on the remote control.
If the red LED flashes, it means that the control keyboard of the TV is locked and can only be made operational again through the remote control.
In both cases, enter a channel number.

How to select a channel?
a) Through the digital keys of the remote control.
*For the 2-digit channels (10, 11, 12, etc.) press on key **0** of the remote control.*
" --" appears on the screen. Through the digital keys, enter the tens unit digit, then the unit one.

b) With key ***pr+*** or ***pr-***.

How to select the Sound channel?
This function may only be accessed if you selected ***Auto*** on the 🔊 line of the **Sound** menu (see p. 6).
Press the ***blue*** key to successively select S1, S2 or S3 during NICAM, Stereo or Dual telecasts, or when using a device connected to one of the AV connections.

How to adjust the volume?
With the (🔊+) or (🔊−) key.

How to mute the sound?
With the (🔇) key.
Press once more on the key to reactivate the sound.

How to display the channel number?
With the ***info*** key, display or remove the channel number and, if you want it, the time left before timer-programmed switch-off.

How to recall the preferred settings?
Press on the ***red*** key to recall the **sound** and **picture** settings you previously stored (see page 6).

How to programme a switch-off?
Press on the ***Green*** 🕘 key, then using the ***Left/Right*** keys, adjust on the screen the wished-for duration before the switching-off of the TV set (by intervals of 10 minutes up to 4 hours).

To exit the menu, press ***exit***.

When the programmed remaining time is over, the TV set will switch on standby.

30 seconds before automatic cut-off, a message appears on the screen.
*To cancel, first press the **Green** key 🕘 and then, by means of the directional key **Left**, reset the time remaining on **-:--**.*
The programmed switching-off is also deactivated when the TV set is turned off through its own On/Off switch.

How to prevent kids using the TV set?
Hold key ⏻ on the remote control down for over 4 seconds until the red LED on the TV set flashes.

The keys of the TV set are now locked and switching it on again will be possible by means of the remote control only.

Keep the remote control out of the reach of children.

To unlock the keys of the TV set, make use of the number keys on the remote control.

The keys of the TV set will also remain locked after timer-programmed switching-off.
The lock function will also be activated when the TV set is switched on standby or switched off with its On/Off switch before the time remaining until programmed switching-off is over.

How to switch off the set?
To switch the TV set off, press the key ⏻ on the remote control or use the On/Off switch on the TV set.

The TV set automatically switches to stand-by after a few minutes without telecast on the selected channel.

GB

The Videotext

How to use Videotext?
(If included)
Press the key ***text*** to display the Summary (page 100).

Calling up a page
Enter the 3 digits of the number (e.g. 150, 170) of the page you want to read. After a few moments, the page will be displayed.
To visualise the next or previous page, press the directional keys ***Left***/***Right***, ***pr+***/***pr-***.
To access the following functions (Page Scrolling, Games, Zoom and Display), the ***menu*** key must first be pressed to display the corresponding strip on the bottom of the videotext page.

Page Scrolling
You may stop the page scrolling with the ***red*** key. This has the effect that STOP is displayed instead of the page number.
When pressing the red key again, page scrolling will start again.

Prize competitions
By means of the ***green*** key, you can either display or hide the solutions.

Zoom
With the ***yellow*** key, you can subsequently enlarge the upper and the lower half of the screen page and then switch back to full screen page display.

Videotext display
The ***blue*** key enables you to superpose a videotext page on the standard TV picture and to switch back to the standard TV picture.

Fastext
When videotext pages are broadcast as per the Fastext standard, you can use the corresponding colour keys to select one out of the 4 headings displayed in the footer. Selection of a given heading may have the effect to display further headings.

Certain programmes use videotext to broadcast subtitles, as well as constantly updated news. These pages can be found in the videotext summary. Once you have found the page, the subtitle and/or news will be superposed on the TV picture.

Choice of the character set table
If some characters of the videotext page are erroneous, try to change the character set table. To do so, press on the ***text*** key during 3 seconds at least, then release it to switch from the Western Europe character set table to the Eastern Europe one and vice-versa.
Leave the videotext through ***exit***.

Access control

You may want to programme an access code to the TV set.

To active the lock:
- Press a number of times on the ***menu*** key to display the window:
- 5 times for mono TV sets.
- 6 times for stereo TV sets.

- Using the digital keys of the remote control, type the 4 digits of your code.

*As you enter each digit, the points (• • • •) are replaced by Xs (**XXXX**).*

- Confirm the code by entering it once more on the second line.

If you make a mistake while confirming the code, you'll have to enter the 4 digits once more and confirm them again.
If the confirmation is correct, the code is stored and the window disappears.

Later on, when you'll turn on the TV set through its main switch, this code will be required and there will be neither picture nor sound until it is entered.

If you make a mistake when typing the code, the ***XXXX*** become red. You must turn off the TV set through its main switch and turn it on again to be able to enter the code one more time.

To change the access code:
- Press a number of times on the ***menu*** key to display the window:
- 5 times for mono TV sets .
- 6 times for stereo TV sets.

- Through the digital keys of the remote control, type the 4 digits of the present code.

*The Xs (**XXXX**) are successively replaced by points as each digit is keyed-in.*
If you make a mistake when typing the code, the Xs come up again and you must retype the 4 digits.

Once the present code entered, you can enter a new one and confirm it.

*If you type **0000** as the new code and confirm it, you deactivate the lock.*

Connections

The scart cable (1)
The scart cable allows you to connect a VCR or camcorder (VHS, 8 mm,S-VHS or Hi-8), a Canal + decoder, a video game machine or devices supplying a RGB signal.

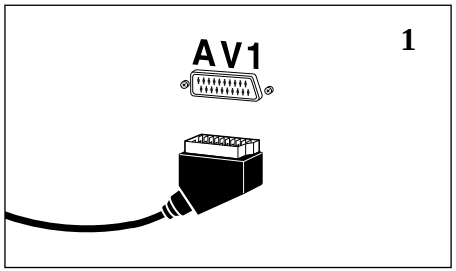
You may also connect a digital decoder cable/earth/satellite, an analog satellite receiver or a DVD player.

The type of connection shown on the opposite is highly recommended, given that it provides improved picture quality.

*To operate the external equipment connected, you must select its av socket by means of the **av** key. With certain equipment, selection of proper av socket is performed automatically.*
*When connecting an S-Video equipment, make sure you press the **av** key twice.*

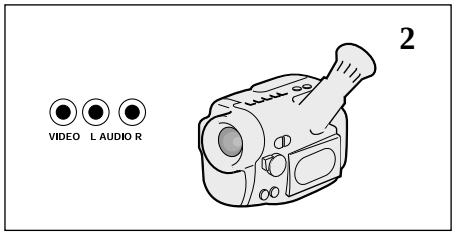
When you turn off the connected device, and if you have not changed channel during viewing, the TV set automatically returns to the previously watched channel.

If the TV set has been turned on by the VCR, it will return to stand-by as soon as the VCR is switched off.

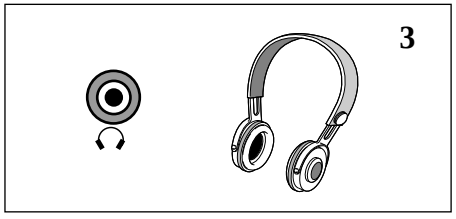


Audio/Video sockets (2)
(If included)
The Audio/Video sockets allow you to connect a VHS- or 8 mm-camcorder. To visualise the pictures from the camcorder, select the proper socket with the ***av*** key.

Not to degrade the picture and sound quality, do not turn on the devices connected to the scart socket and to the Audio/Video socket at the same time.



The Headphone socket (3)
(only available on specific models)
The headphone adapter allows you to connect a stereo headphone or earphone plugs; the loudspeakers sound is then muted. Volume may be adjusted through keys P+ / P- .

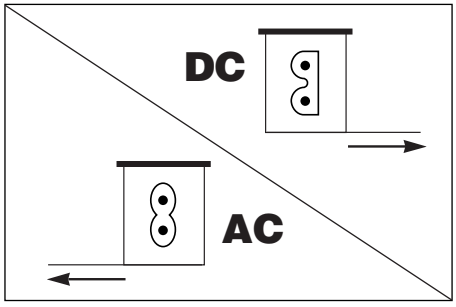


Mains/batteries supply

Some TV set models may be supplied through either mains (220 - 240V ~ 50Hz) or battery 12V / 24V - CC. To connect your TV set to either one of these power sources, please proceed as indicated below:

12V / 24V DC Supply (Direct current).
Connect the battery cord to the left-hand socket (Move the socket cover to the right-hand side).

220 - 240V ~ 50 Hz Supply (Mains)
Connect the battery cord to the right-hand socket (Move the socket cover to the left-hand side).



GB

To control your VCR (model 2100 only)

Programming the remote control unit to control a video recorder.

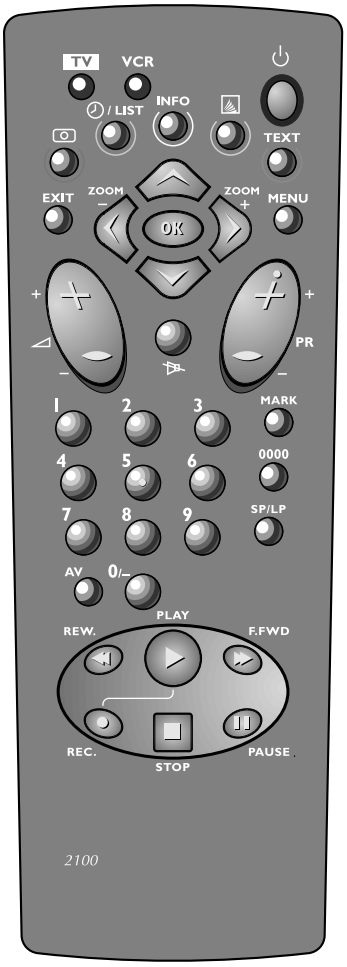
1 - Press the **VCR** key.
2 - Hold the **MENU** key down and type one of the 3-digit codes corresponding to the brand of your VCR (see table on the following page).
3 - Release the **MENU** key.
4 - Try to put your video recorder into stand-by with the ⏻ key on the remote control unit.
If it does not go to stand-by, try another code.

Depending on the year your video recorder was made and on the equipment, some functions may not be available.

Some codes may cover more functions than others. Try out the functions that you can control and perhaps try other codes.

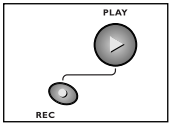
⚠ Note here the code that suits best. | | | |

When you change the batteries in the remote control unit, you must re-program it.



Video recorder keys

PLAY : play.

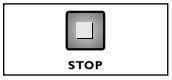


REC. + PLAY : record.

F.FWD : fast forward.

REW. : fast rewind.

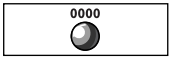
PAUSE. : pause.



STOP : stop.

SP : standard play.
LP : long play.

MARK : mark.



0000 : reset/erase.

Video Recorder Codes

For remote control unit model 2100.

AIWA	167,168
AKAI	103,104,105,106,107
BLAUPUNKT	108,109,162
BRANDT	101,112,156,102
DAEWOO	140,141,142,143,144,145,146,147
FERGUSON	101,102,160,112,153,155,156,157
FISHER	135,136,137
FUNAI	130
GOLDSTAR	123,134
GRUNDIG	161,169,170
HITACHI	110,112,122,123
JVC	106,110,111,112,113
MITSUBISHI	148,149
NEC	139
NOKIA	103,110,135,138
NORDMENDE	101,102,112,154,156,157,158
ORION	124,125,126,127,128,129
PANASONIC	108,109,162
PHILIPS	161,162,163,164,165,166
RADIOLA	161,162,163,164,165,166
SABA	101,102,112,153,155,156,157,158
SAMSUNG	133
SANYO	119,120,121
SCHNEIDER	161,162,163,164,165,166
SHARP	131,132
SONY	115,116,117,118
TELEAVIA	101,112,156,155,102
TELEFUNKEN	101,102,112,156,155,159
THOMSON	101,102,112,154,156,157,158
TOSHIBA	110,111,114

TX807C / CS / GB - BEI / RDG - Le 05 01 2000